

**REMARKS/ARGUMENTS**

After the foregoing Amendment, claims 15-19, 21, 22, 24-26, 28-33, 35, 36, 38-40, 42-47, 49, 50, 52-54 and 56 are pending in this application. Claims 15, 22, 29, 36, 43 and 50 have been amended to incorporate subject matter deemed allowable by the Examiner. Claims 20, 23, 27, 34, 37, 41, 48, 51 and 55 have been canceled without prejudice. The Applicants submit that no new matter has been added by the Amendment.

**Claim Objections**

The Examiner objected to claims 16, 18, 19, 23-28, 30-33, 44-47, 51, 52, 55 and 56 because of various informalities.

Regarding the objections to claims 16, 30, 31, 44 and 45, the phrase "a quadrature-phase (Q) angle" has been changed to "quadrature (Q) angle" in claims 16, 30 and 44, and claims 31 and 45, which depend upon claims 30 and 44, respectively, have also been appropriately amended. Claim 17 has also been appropriately based on the amendment to claim 16.

Regarding the objections to claims 18, 19, 32, 33, 46 and 47, claims 18, 32 and 46, upon which claims 19, 33 and 47 respectfully depend, have been amended to differ in scope from claims 16, 30 and 44.

Regarding the objections to claims 23 and 51, these claims have been canceled because, as asserted by the Examiner, they recited features already recited in claims 22 and 50. Furthermore, claim 37 has also been canceled because it recites features already recited in claim 36.

Regarding the objections to claims 52 and 56, claims 50-54 and 56 have been amended to recite a "phase-acquisition circuit", Orather than reciting both an acquisition circuit and a phase-acquisition circuit.

Regarding the objection to claim 55, this claim has been canceled.

Regarding the objections to claims 24-28, claim 27 has been canceled and claims 24-26 and 28 are no longer dependent upon objected to claim 23.

Based on the above, the Applicants respectfully request that the Examiner withdraw the objections to claims 16, 18, 19, 23-28, 30-33, 44-47, 51, 52, 55 and 56.

**Claim Rejections - 35 USC §112**

The Examiner rejected claims 36-42, 54 and 56 under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the Applicants regard as the invention.

Regarding claims 36-42, claims 37 and 41 have been canceled and claims 36, 38-40 and 42 have been amended to clarify that a system, rather than a method is being claimed.

Regarding claims 40, 42, 54 and 56, the claims have been amended to provide sufficient antecedent basis in the claims. Claims 26 and 28 were also found by the Applicants to have similar limitations that has insufficient antecedent basis, and have also been amended in a similar fashion.

Based on the above, the Applicants respectfully request that the Examiner withdraw the rejection of claims 36-42, 54 and 56 under 35 U.S.C. 112, second paragraph

**Allowable Subject Matter**

The Examiner is thanked for indicating that claims 20, 21, 27, 28, 34, 35, 41, 42, 48, 49, 55 and 56 include subject matter allowable over the prior art of record.

Claim 15 has been amended to incorporate the features of canceled claim 20. Because the Examiner has indicated that claim 20 includes subject matter that is allowable over the prior art of record, Applicants submit that independent claim 15 and its dependent claims 16-19 and 21 are allowable over the prior art of record.

Claim 22 has been amended to incorporate the features of canceled claim 27. Because the Examiner has indicated that claim 27 includes subject matter that is allowable over the prior art of record, Applicants submit that independent claim 22 and its dependent claims 24-26 and 28 are allowable over the prior art of record.

Claim 29 has been amended to incorporate the features of canceled claims 34. Because the Examiner has indicated that claim 34 includes subject matter that is allowable over the prior art of record, Applicants submit that independent claim 29 and its dependent claims 30-33 and 35 are allowable over the prior art of record.

Claim 36 has been amended to incorporate the features of canceled claim 41. Because the Examiner has indicated that claim 41 includes subject matter that is allowable over the prior art of record, Applicants submit that independent claim 36 and its dependent claims 38-40 and 42 are allowable over the prior art of record.

Claim 43 has been amended to incorporate the features of canceled claim 20. Because the Examiner has indicated that claim 48 includes subject matter that is allowable over the prior art of record, Applicants submit that independent claim 43 and its dependent claims 44-47 and 49 are allowable over the prior art of record.

Claim 50 has been amended to incorporate the features of canceled claim 55. Because the Examiner has indicated that claim 55 includes subject matter that is allowable over the prior art of record, Applicants submit that independent claim 50 and its dependent claims 52-54 and 56 are allowable over the prior art of record.

### **Conclusion**

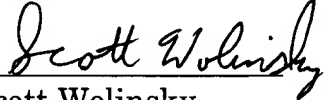
It is respectfully submitted that pending claims 15-19, 21, 22, 24-26, 28-33, 35, 36, 38-40, 42-47, 49, 50, 52-54 and 56 are in condition for allowance. Accordingly, reconsideration and allowance of pending claims 15-19, 21, 22, 24-26, 28-33, 35, 36, 38-40, 42-47, 49, 50, 52-54 and 56 are respectfully requested.

**Applicant:** Lomp et al.  
**Application No.:** 09/757,768

If the Examiner does not believe that the claims are in condition for allowance, the Examiner is respectfully requested to contact the undersigned at 215-568-6400.

Respectfully submitted,

Demir et al.

By 

Scott Wolinsky  
Registration No. 46,413  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17<sup>th</sup> Street  
Philadelphia, PA 19103

SW/JMG/dmr